ENVIRONMENTAL CHEMISTS

Date of Report: 08/29/00 Date Received: 08/10/00

Project: Metro Self Monitor, PO# M82658

Date Extracted: 08/28/00 Date Analyzed: 08/28/00

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Results Reported as mg/L (ppm)

	from the first and the second terms of the second		of the angle and	
Sample ID	<u>Chromiu</u>	m Copper	<u>Nickel</u>	Zinc Zinc
Laboratory ID				
M82658	0.67	0.67	0.72	0.15
008046-01			YA , wileyaban	
	talka milia ya Milia			CANTO LONG.
Method Blank	< 0.05	< 0.05	< 0.05	< 0.05
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ENVIRONMENTAL CHEMISTS

Date of Report: 08/29/00 Date Received: 08/10/00

Project: Metro Self Monitor, PO# M82658

QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 008116-01 (Duplicate)

	Reporting		Sample	I	uplicat	elative ercent	Acceptar	ace
Analyte	Units	processor.	Result	137-7	Result	fference	All the day of the second	
Chromium	mg/L (ppm)		0.63		0.68	8	0-20	150
Copper	mg/L (ppm)		0.46		0.45	2	0-20	
Nickel	mg/L (ppm)		0.61		0.70	14	0-20	413
Zinc	mg/L (ppm)	441	0.09		0.09	0	0-20	

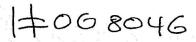
Laboratory Code: 008116-01 (Matrix Spike)

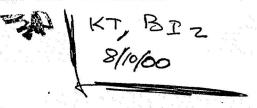
실었음과 이번분		Reporting	Spike	Sample	% Reco	very % Reco	very Accep	tance	
Analyte	and a	Units	Level	Result	MS	MS	D Crit	eria R	PD
Chromium		mg/L (ppm)	5	0.63	91	93	80-	120	$\overline{2}$
Copper		mg/L (ppm)	5	0.46	98	99	80-	120	1
Nickel		mg/L (ppm)	10	0.61	86	93	80-	120	8
Zinc		mg/L (ppm)	5	0.09	86	96	80-	120 1	l 1

Laboratory Code: Laboratory Control Sample

	Reporting	Spike	% Recovery	% Recover	y Acceptanc	e
Analyte	Units	Level	LCS	LCSD	Criteria	RPD
Chromium	mg/L (ppm)	5	94	95	80-120	1
Copper	mg/L (ppm)	5	104	104	80-120	0
Nickel	mg/L (ppm)	10	94	95	80-120	
Zinc	mg/L (ppm)	5	93	92	80-120	1

FRIEDMAN & BRUYA, INC. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282





SAMPLE CHAIN OF CUSTODY

Send Report To: Alaskan Copper Works Contact General A. Thompson Address 628 Hander ST											
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FORMS/CHECKIN/COC

06/29/00

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S.

3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

August 29, 2000

DUPLICATE COPY

INVOICE #00ACU0829-4

Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M82658 - Results of testing requested by Gerald A. Thompson for material submitted on August 10, 2000.

FEDERAL TAX ID (b) (6)

ENVIRONMENTAL CHEMISTS

James E. Bruva. Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S.

3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

August 29, 2000

Gerald A. Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on August 10, 2000 from your Metro Self Monitor, PO# M82658 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Kate Trafton

Project Manager

Enclosures ACU0829R.DOC